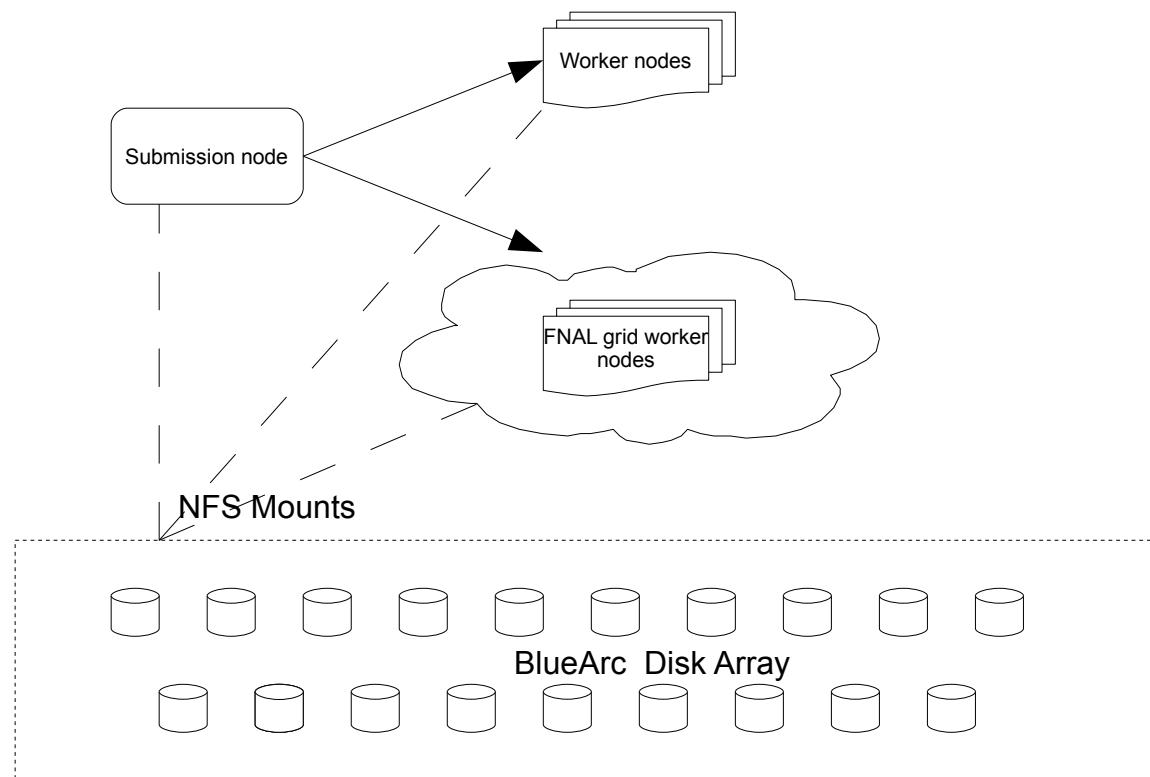


Intensity Frontier  
GPCF Status, Configuration  
1/21/2011

Dennis Box CD Fermilab

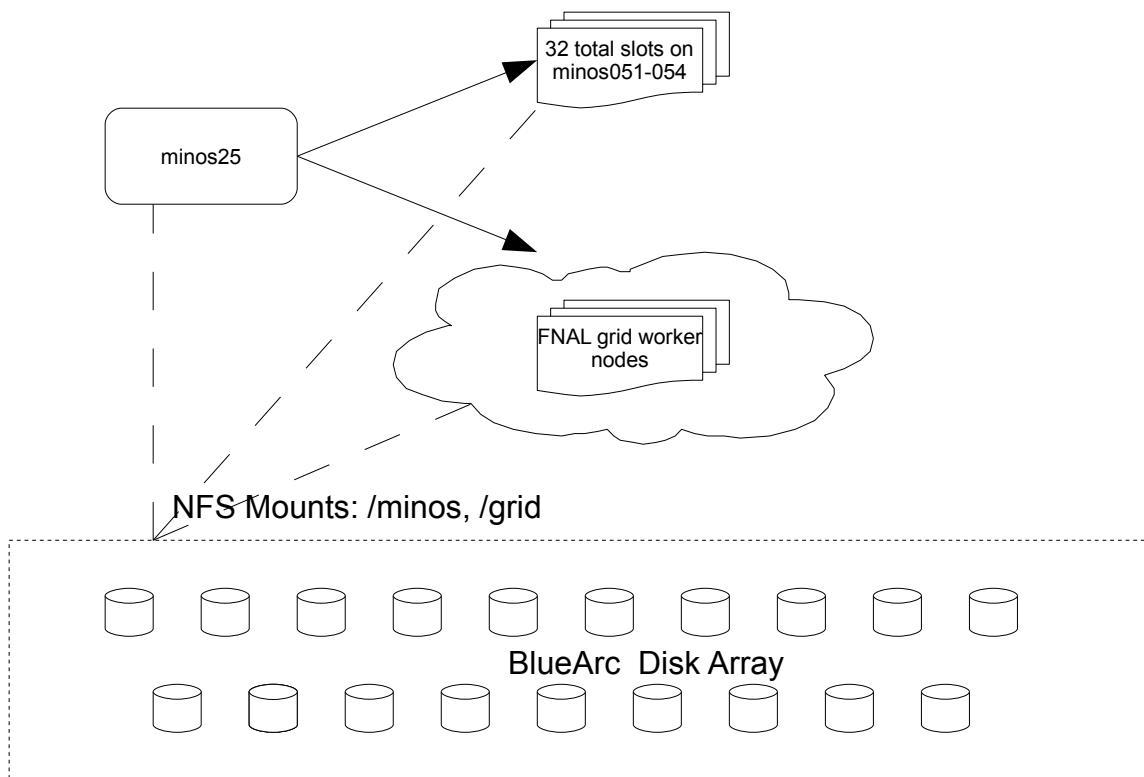
- Generalized IF batch configuration:

- A condor submission node
- Local condor pool (local slots)
- Grid slots set up to look like extended local pool via 'magic' of glideinWMS
- A set of job control scripts
- NFS mounts to BlueArc disk pool for job I/O



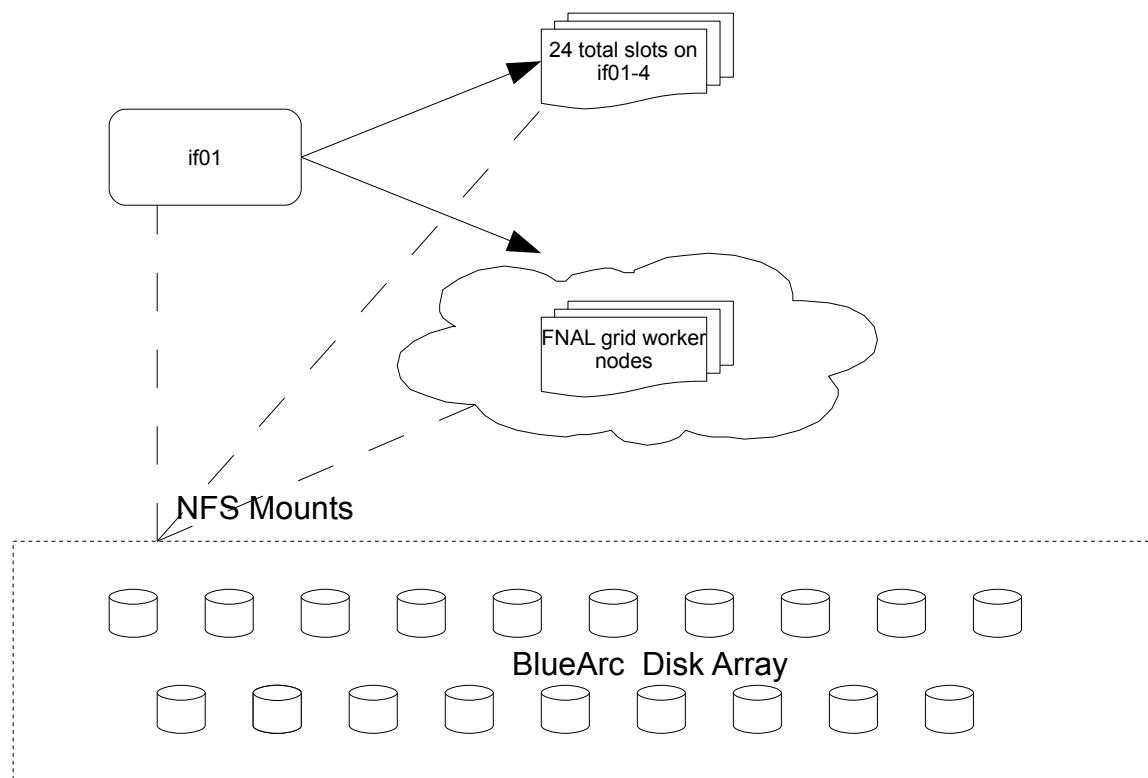
- MINOS configuration:

- submission node minos25.fnal.gov
- 32 local slots
- GlideinWMS 1.5.1, condor 7.2.0
- Job control with `minos_jobsub` and friends
  - <http://www-numi.fnal.gov/condor/index.html>
- NFS mounts to `/minos`, `/grid`

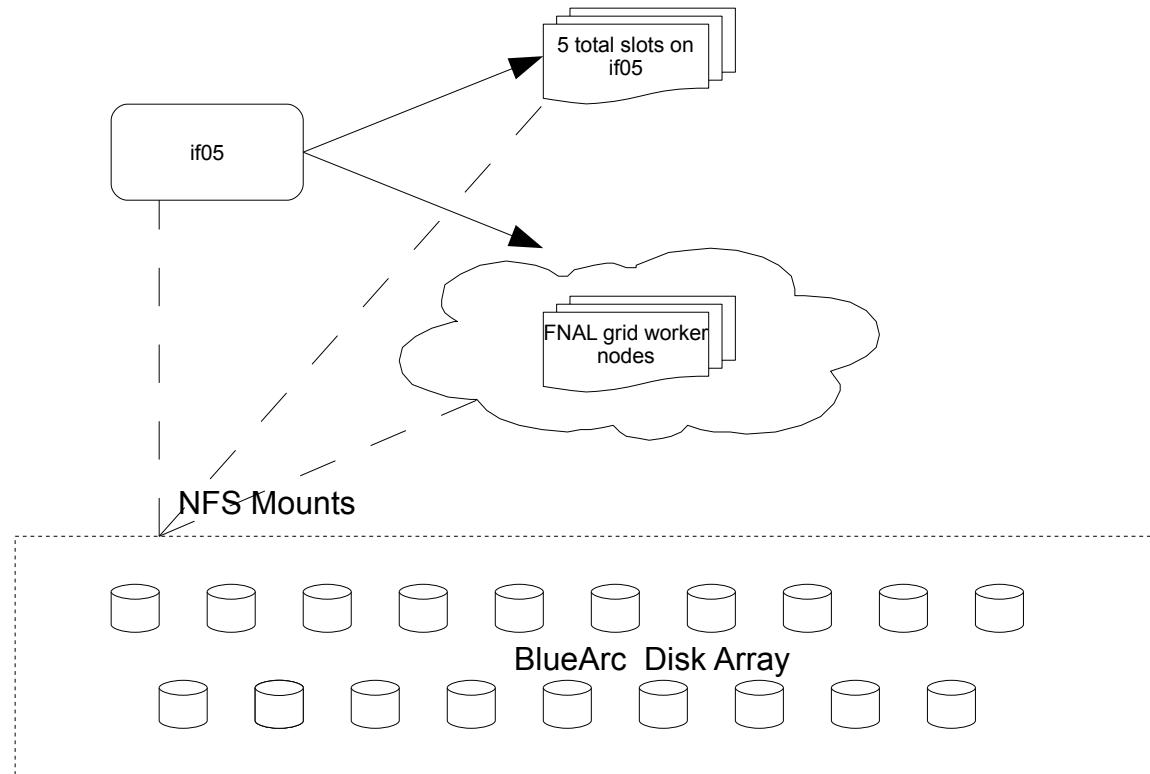


- **Minerva configuration:**

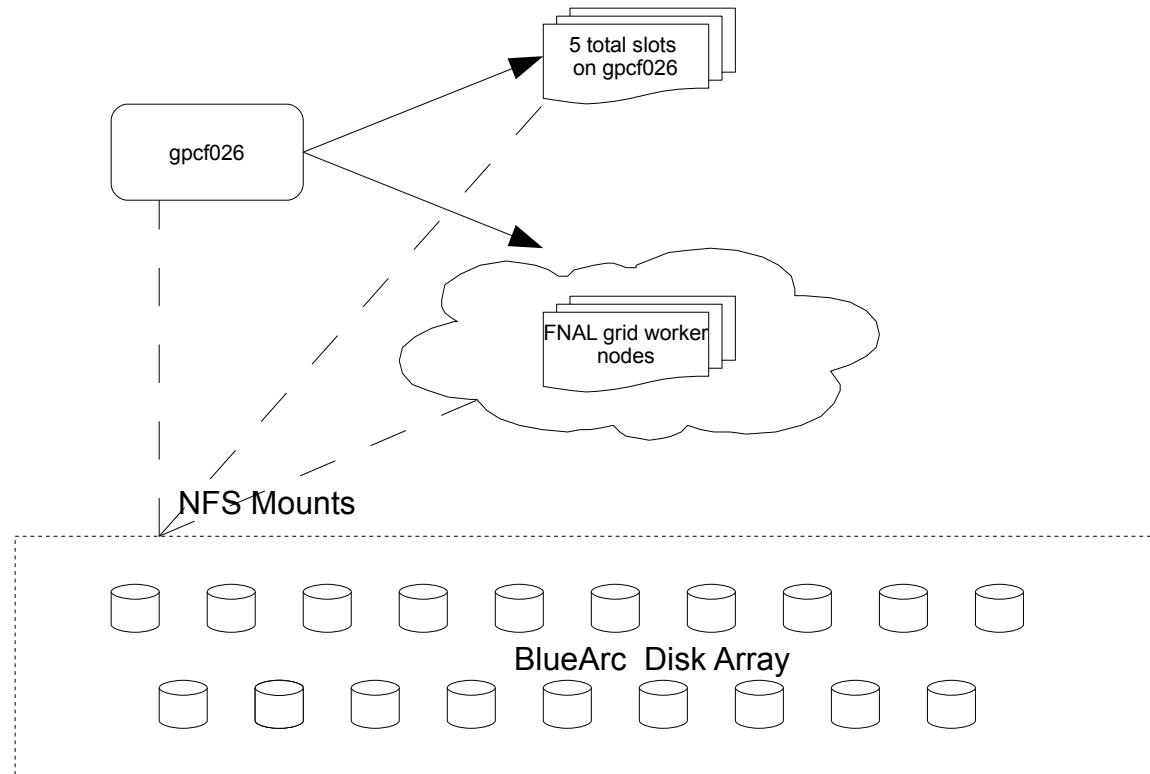
- submission node if01.fnal.gov
- 24 local slots
- GlideinWMS 1.6.3, condor 7.2.3
- Job control with minos\_jobsub and friends
  - <http://www-numi.fnal.gov/condor/index.html>
- NFS mounts to  
/grid,/lbne,/minerva,/minos,/nusoft (lbne and nusoft probably not needed)



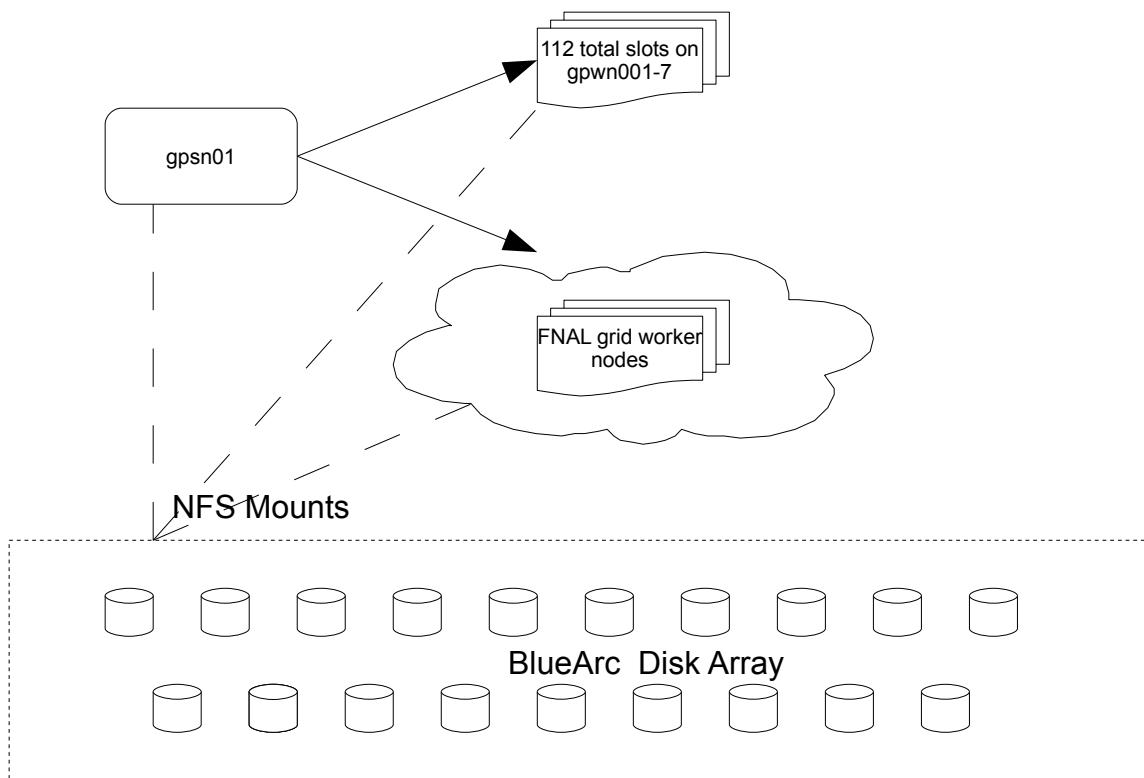
- (old) NoVA configuration:
  - submission node if05.fnal.gov
  - 5 local slots (used to have 10)
  - GlideinWMS 1.6.3, condor 7.2.3
  - Job control with nova\_jobsub and friends
  - NFS mounts to /grid,/minos,/nova,/nusoft,
  - This will be **reprovisioned soon**, users have moved to gpsn01



- (old) lbne configuration:
  - submission node gpcf026.fnal.gov
  - 5 local slots (used to have 100+)
  - GlideinWMS 1.6.3, condor 7.2.3
  - Job control with lbne\_jobsub and friends
  - NFS mounts to /grid,/minerva,/mu2e,/nova
  - This will be **reprovisioned soon**, users are moving to gpsn01



- GPCF configuration:
  - submission node gpsn01.fnal.gov
  - 128 local slots (more coming soon)
  - GlideinWMS 1.6.3, condor 7.2.3
  - Job control with jobsub and friends
  - NFS mounts to all IF experiments (see next slide)



Gpsn01 Mount Point	Local WN	FermiGrid WN
/grid/app	rw	
/grid/data	rw	rw
/grid/fermiapp	rwx	rwx
/argoneut/app	rwx	
/argoneut/data	rw	
/uboone/app	rwx	
/uboone/data	rw	
/minos/app	rwx	
/minos/data	rw	
/lbne/app	rwx	rx
/lbne/data	rw	
/minerva/app	rwx	rx
/minerva/data	rw	rw
/mu2e/app	rwx	
/mu2e/data	rw	
/nova/app	rwx	
/nova/data	rw	
/nusoft/app	rwx	
/nusoft/data	rw	

- Experiment Development Nodes
  - (experiment)gpvm(number)
  - novagpvm01.fnal.gov
  - minervagpvm03.fnal.gov, etc.
  - These are virtual nodes, so in theory it (should be) easy to get more just by asking
  - Send job to submit nodes from development nodes using jobsub script

